TAMPS 6.1/6.1.1

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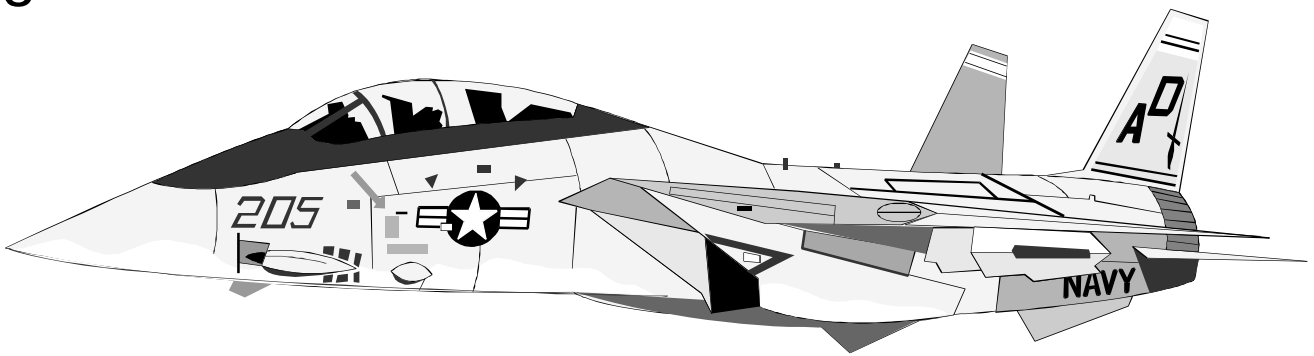
OAG Impact on 6.1/6.1.1

- Top 2 priorities from May 97 OAG
  - Increased reliability, stability and performance
  - HMI/Mission planning functionality
- 6.1/6.1.1 improvements
  - Addressed software reliability and stability
    - Corrected 32 STRs causing crashes
  - Increased performance
    - Introduced new hardware in 6.1.1
  - Corrected HMI deficiencies defined by FUIWG
    - Delayed 6.1 for 3 months to fix
  - Incorporated new functionality for mission planning
    - GPS data load
    - Improved weapons planning

FUIWG HMI Enhancements

- Reorganized MPM Menu
  - Allowed easier access to menus for mission planning
- Enhanced User Defined Menu
  - Each platform could establish default menu
- Changed software to meet FUIWG defined HMI stds
  - HMI became more consistent throughout system
- Saved OPAREA and MU files with mission
  - Changed for all aircraft MPMs



FUIWG HMI Enhancements (cont.)

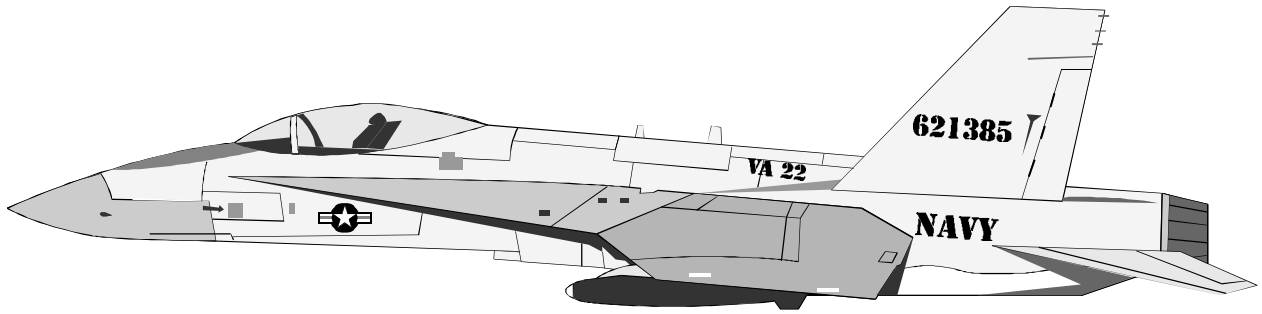
- F/A-18 MPM improved interface with MU and MU waypoints
  - Simplified loading of MU by planner
- Set Autosave Default to ON
  - Eliminated major headache for planners
- Changed Edit Flight Parameters
  - Simplified menu for easier use
- Modified terminology in menus
  - Changed from engineering terms to aviator

6.1/6.1.1 Functionality

- 6.1 introduced
  - GPS MDL planning and loading
  - Loading of MIDS to support F/A-18
  - ARC-210 planning and loading
  - Coordination of weapon and aircraft routes
  - Improved printed reports for helos
  - Last minute threat updates
  - TERPES applications
  - Platform unique symbology
  - Tactical waypoint definition
  - COMPASS
- 6.1.1 hosted 6.1 on Ultra 2 hardware
  - Supports E-2C and F-14 aircraft
  - GPS MDL load for E-2C Nav Upgrade aircraft

Hardware Overview

- ACE and DTC-2 hardware will be cycled out of the fleet after 6.2 fleet release
- Ultra hardware will be used for 6.1.1 and 6.2



6.1.1 Hardware

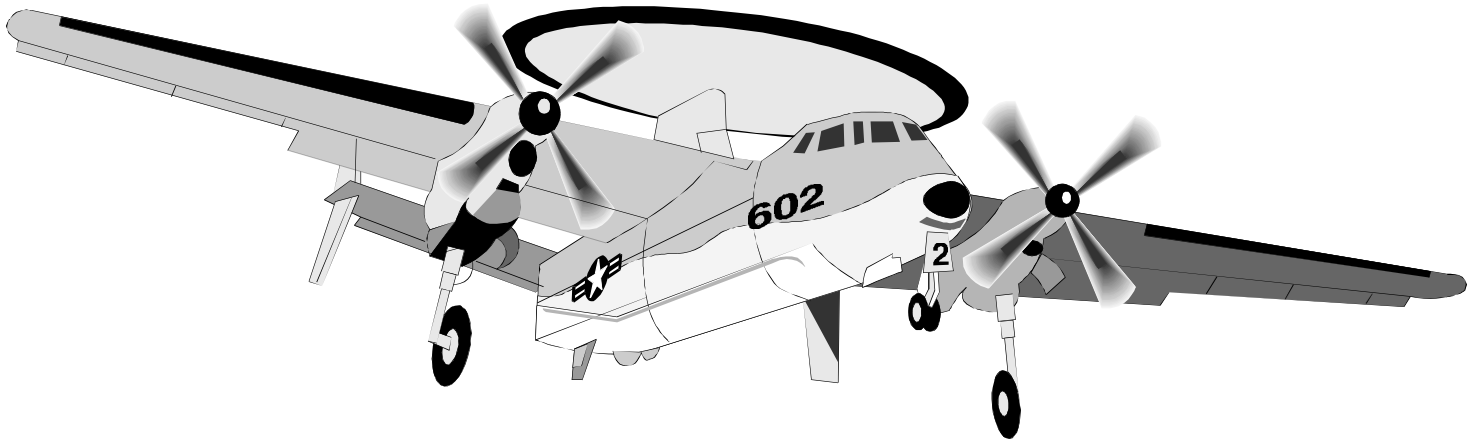
Sun Ultra 2 Model consisting of:

- Single Processor
- 256 MB RAM
- 18 GB Disk Capacity
- CD-ROM
- 3.5” Floppy
- 8mm Tape Drive
- ATM Network Card
- Creator 24 Bit Graphics, with 20” Color Monitor
- Xerox C55MP Color/BW Printer
- Appropriate Data Load Devices

9 Bay SCSI Enclosure not available for photo

6.1/6.1.1 OT Status

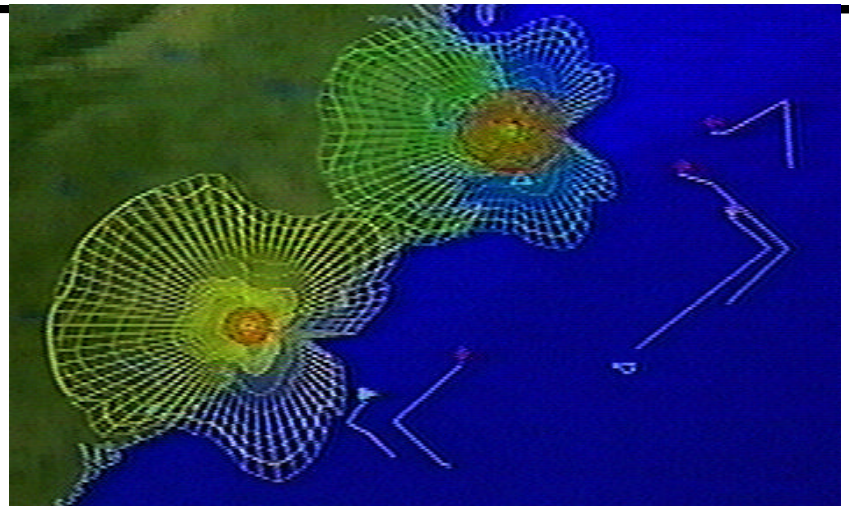
- CVW-9 and CVW-1 received 6.1 training at NSAWC
  - VX-9 collected data for OT Report
- Quick Look Message was requested from OPTEVFOR in Aug 97 to support CV deployments
  - 6.1 was determined to be great improvement over 6.0.3
- Final test report completed Feb 98



6.1/6.1.1 OT Report Card

6.1/6.1.1 Goals	Success	Results
A. Provide new or improved mission planning functionality		A. Operationally effective for
	G	1. GPS data load support.
	G	2. F/A-18 SCS 11C and 91C and data load
	G	3. SLAM weapon planning and data load
	G	4. HARM data load
	G	5. JSOW weapon planning and data load
	G	6. F-14 tactical waypoint data load
	G	7. E-2C mission data load
	G	8. JTIDS initialization file data loads (E-2C and F-14)
	G	9. FAMP
		B. Not operationally effective for
	R	1. ARC-210 initialization
	R	2. RTM generation
	R	3. Strike planning
	R	4. Cockpit quality outputs
	R	5. Environmental effects analysis
	R	6. Joint interoperability
B. Improve system reliability		A. Improved software reliability (>30 hrs in ORD)
	G	1. 44 hrs for ACE (6.1)
	G	2. 60 hrs for DTC-2 (6.1)
	G	3. 129 hrs for Ultra 1200 (6.1.1)
C. Improve hardware	G	A. Improved speed in Ultra 1200
	G	B. Xerox C55 printer (6.1.1) produced cockpit quality charts
	G	C. Increased data storage for DTC-2 and Ultra
D. Improve HMI	G	A. Improved HMI for F/A-18 MPM
	G	B. Improved HMI for generic route planning

Installation Schedule



6.1/6.1.1 Installation Schedule

FY 98

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Washington Stennis Eisenhower Independence Nimitz SWATSP NSAWC SFWSP CAEWWS	SWATSL VAW-120 NMITC HSWINGSL VS WTU SFWSL Lincoln	MAG 31 Vinson MAWTS-1 MAG 16 MAG 11	2nd MAW MAG 29 MAG 11 MAG 26	SFWSP MAG 41	Kitty Hawk Kennedy 3rd MAW MAWTS-1 AEWINGL SWATSL NMITC	MAG 39 MAG 49 MAG 29 MAG 26 2nd MAW AEWINGP SWATSP SEACONWINGSL	HSWINGSP NSAWC CAEWWS SEACONWINGP Enterprise	

Summary

- 6.1/6.1.1 addressed OAG top priorities
  - Improved HMI for planners
  - Provided GPS data load capabilities
  - Provided fast and reliable hardware
  - Improved reliability and stability of software
- Future software deliveries will address deficiencies noted by OAG and OT Report